



11-17-04

IFW #

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

5

Application Number

10/615623

Filing Date

07/08/2003

First Named Inventor

Abraham

Art Unit

1651

Examiner Name

Afremova

Attorney Docket Number

68603-489CN2

ENCLOSURES (Check all that apply)

Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request

Express Abandonment Request
(Supplemental)

Information Disclosure Statement

Certified Copy of Priority
Document(s)Reply to Missing Parts/
Incomplete ApplicationReply to Missing Parts
under 37 CFR 1.52 or 1.53

Drawing(s)



Licensing-related Papers



Petition

Petition to Convert to a
Provisional ApplicationPower of Attorney, Revocation
Change of Correspondence Address

Terminal Disclaimer



Request for Refund



CD, Number of CD(s) _____



Landscape Table on CD



After Allowance Communication to TC

Appeal Communication to Board
of Appeals and InterferencesAppeal Communication to TC
(Appeal Notice, Brief, Reply Brief)

Proprietary Information



Status Letter

Other Enclosure(s) (please identify
below):

- Postcard

Remarks

Also Enclosed:

- Form PTO-1449; 3 references

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

Wilmer Cutler Pickering Hale and Dorr LLP

Signature

Alison E. Corkery

Printed name

Alison E. Corkery

Date

11/16/2004

Reg. No.

52,770

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Typed or printed name

Date

11/16/2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Date of mailing: 11/16/2004

PTO/SB/17 (10-04)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**FEE TRANSMITTAL
for FY 2005**

Effective 10/01/2004. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

Complete if Known

| | |
|----------------------|--------------|
| Application Number | 10/615623 |
| Filing Date | 07/08/2003 |
| First Named Inventor | Abraham |
| Examiner Name | Afremova |
| Art Unit | 1651 |
| Attorney Docket No. | 68603-489CN2 |

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:Deposit
Account
Number
Deposit
Account
Name

08-0219

Wilmer Cutler Pickering Hale and
Dorr LLP

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) or any underpayment of fee(s)☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|-------------------------------|-------------------------------|------------------------|----------|
| 1001 790 | 2001 395 | Utility filing fee | |
| 1002 350 | 2002 175 | Design filing fee | |
| 1003 550 | 2003 275 | Plant filing fee | |
| 1004 790 | 2004 395 | Reissue filing fee | |
| 1005 160 | 2005 80 | Provisional filing fee | |

SUBTOTAL (1) (\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------------|--------------|----------------|----------|
| Independent Claims | -20** = | X | |
| Multiple Dependent | -3** = | X | |
| | | 0 | 0 |

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description | Fee Paid |
|-------------------------------|-------------------------------|--|----------|
| 1202 18 | 2202 9 | Claims in excess of 20 | |
| 1201 88 | 2201 44 | Independent claims in excess of 3 | |
| 1203 300 | 2203 150 | Multiple dependent claim, if not paid | |
| 1204 88 | 2204 44 | ** Reissue independent claims over original patent | |
| 1205 18 | 2205 9 | ** Reissue claims in excess of 20 and over original patent | |

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

| Fee Code (\$) | Fee Code (\$) | Fee Code (\$) | Fee Description | Fee Paid |
|---------------|---------------|---------------|--|----------|
| 1051 130 | 2051 65 | | Surcharge - late filing fee or oath | |
| 1052 50 | 2052 25 | | Surcharge - late provisional filing fee or cover sheet | |
| 1053 130 | 1053 130 | | Non-English specification | |
| 1812 2,520 | 1812 2,520 | | For filing a request for <i>ex parte</i> reexamination | |
| 1804 920* | 1804 920* | | Requesting publication of SIR prior to Examiner action | |
| 1805 1,840* | 1805 1,840* | | Requesting publication of SIR after Examiner action | |
| 1251 110 | 2251 55 | | Extension for reply within first month | |
| 1252 430 | 2252 215 | | Extension for reply within second month | |
| 1253 980 | 2253 490 | | Extension for reply within third month | |
| 1254 1,530 | 2254 765 | | Extension for reply within fourth month | |
| 1255 2,080 | 2255 1,040 | | Extension for reply within fifth month | |
| 1401 340 | 2401 170 | | Notice of Appeal | |
| 1402 340 | 2402 170 | | Filing a brief in support of an appeal | |
| 1403 300 | 2403 150 | | Request for oral hearing | |
| 1451 1,510 | 1451 1,510 | | Petition to institute a public use proceeding | |
| 1452 110 | 2452 55 | | Petition to revive - unavoidable | |
| 1453 1,330 | 2453 665 | | Petition to revive - unintentional | |
| 1501 1,370 | 2501 685 | | Utility issue fee (or reissue) | |
| 1502 490 | 2502 245 | | Design issue fee | |
| 1503 660 | 2503 330 | | Plant issue fee | |
| 1460 130 | 1460 130 | | Petitions to the Commissioner | |
| 1807 50 | 1807 50 | | Processing fee under 37 CFR 1.17(q) | |
| 1806 180 | 1806 180 | | Submission of Information Disclosure Stmt | 180.00 |
| 8021 40 | 8021 40 | | Recording each patent assignment per property (times number of properties) | |
| 1809 790 | 2809 395 | | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 790 | 2810 395 | | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1801 790 | 2801 395 | | Request for Continued Examination (RCE) | |
| 1802 900 | 1802 900 | | Request for expedited examination of a design application | |

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 180.00

SUBMITTED BY

| | | | | | |
|-------------------|--------------------------|-----------------------------------|------------|-----------|--------------|
| Name (Print/Type) | Alison E. Corkery | Registration No. (Attorney/Agent) | 52,770 | Telephone | 617-526-6738 |
| Signature | <i>Alison E. Corkery</i> | Date | 11/16/2004 | | |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENTS
Atty. Docket No. 68603.489CN2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| | | | |
|--------------|---|---------------|----------------|
| Applicant: | Abraham et al. | Art Unit: | 1651 |
| Serial No.: | 10/615,623 | Examiner: | Afremova, Vera |
| Filing Date: | July 8, 2003 | Conf. No.: | 9523 |
| Title: | CHEMICAL CLEANING OF BIOLOGICAL MATERIAL | Customer No.: | 23483 |

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97 the Applicants herewith submit the attached Form PTO-1449 citing the listed references for filing in the above-referenced application.

A copy of the cited patent is not submitted pursuant to 37 C.F.R. §1.98(a)(2)(ii). Copies of the other cited references are enclosed herewith.

The present application is a continuation of U.S. Patent Application No. 09/450577 filed November 30, 1999 (now U.S. Pat. No. 6,599,690), which is a continuation of U.S. Patent Application No. 08/853372 filed May 8, 1997 (now U.S. Pat. No. 5,993,844).

It is respectfully requested that the information enclosed be expressly considered during the prosecution of this application and that the publications be made of record therein and appear among the "References Cited" on any patent to issue therefrom. In this regard, it is asked that the Examiner initial and return a copy of the enclosed Form PTO-1449 with the next Patent Office Communication.

11/19/2004 AWONDAF1 00000073 080219 10615623

01 FC:1806 180.00 DA

US1DOCS 2309178v1

EXPRESS MAIL LABEL NO. EV207559792 US
DATE OF DEPOSIT 16 Nov. 2004

This submission does not represent that a search has been carried out nor does it constitute an admission that the listed documents are material to the patentability of the invention, or that this enclosed art represents prior art. Applicants reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

As this Supplemental Information Disclosure Statement is being submitted after the mailing of a First Office Action, but before the mailing of either a Notice of Allowance or a Final Office Action, pursuant to 37 C.F.R. § 1.97(c), a fee of \$180.00 is due in connection with this submission. Please charge this fee to Deposit Account No. 08-0219. No other fees are believed due, however, the Commissioner is authorized to debit any deficiencies or credit any overpayments to Deposit Account No. 08-0219.

Respectfully submitted,

Date:

Nov. 16, 2004



Alison E. Corkery Reg. No. 52,770
Attorney for Applicants

WILMER CUTLER PICKERING
HALE AND DORR LLP
60 State Street
Boston, MA 02119
(617)-526-6000 (Telephone)
(617)-526-5000 (Facsimile)



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|--|---|----|---|-------------------------------|----------------------------------|
| Subject, PTO-1449 | | | | Docket Number 68603-489CN2 | Application Number 10/615,623 |
| INFORMATION DISCLOSURE IN AN APPLICATION (Use several sheets if necessary) | | | | Applicant Abraham, et al. | |
| | | | | Filing Date 7/8/2003 | Group Art Unit 1651 |
| Sheet | 1 | OF | 1 | | |

| U.S. Patent Documents | | | | |
|-----------------------|-----------------|--------------------------|---|---|
| Examiner Initial | Document Number | Publ. Date mm-dd-yyyy | Name Of Patentee Or Applicant Of Cited Documents | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear |
| | US-5,397,353 | 03/14/1995 | Oliver, et al. | |
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| Foreign Patent Documents | | | | | |
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| Examiner Initial | Cite No. | Foreign Patent Document | Publ. Date mm-dd-yyyy | Country | Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear |
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| Examiner's Initial | Other Documents (Including Author, Title, Date Pertinent Pages, Etc.) | |
|--------------------|---|---|
| | AA | Cobb, et al., "Histology After Dural Grafting with Small Intestinal Submucosa", Surg. Neurol., 46:389-94 (1996) |
| | AB | Matsumoto, et al., "Further Application of Intestinal Submucosa as a Patch Graft", Surgery, 61(4): 584-587 (1967) |
| | AC | Steven, et al., "Polymeric Collagen Isolated from the Human Intestinal Submucosa", Gut, 10:484-487 (1969) |
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| EXAMINER | DATE CONSIDERED |
| EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP § 609: Draw Line through citation if not conformance and not considered. Include copy with next communication to applicant. | |